

## Abstract of the Disclosure

Provided is an optical alignment apparatus and method that can enhance the efficiency of optical alignment by using a light source for generating light of a visible wavelength range and lensed fiber and perform optical alignment quickly, precisely and economically. The optical alignment apparatus of the present research includes: a first light source for providing light of a visible wavelength range to perform optical alignment; a second light source providing light of an infrared wavelength range; a micrometer stage for aligning the light outputted from the first light source or the second light source with an active area of a detector; lensed fiber for inputting light into the active area of the detector; an optical alignment confirming means for visually confirming whether the light outputted from the lensed fiber is aligned with the active area of the detector; an image information acquiring means for acquiring image information; and a control means for operating the micrometer stage.